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**CLAIMS:**

5           1.   Signal monitoring apparatus comprising: (a)  
signal analysing circuitry having an input for receiving  
a signal from a carrier, said circuitry being operable to  
detect the presence of a predetermined type or types of  
signal or other traffic; and (b) a computer coupled to  
10   the signal analysing circuitry to receive an output  
therefrom.

2.   Apparatus according to claim 1 wherein said  
signal analysing circuitry is adapted to receive as input  
15   a signal from a telephone line, and to analyze the signal  
for the presence of a non-audio component.

3.   Apparatus according to claim 1 wherein said  
signal analysing circuitry is adapted to receive as input  
20   a signal from a telephone line, and to analyze the signal  
for the presence of a non-audio signal component which is  
one or more of a digital signal, an out-of-band signal,  
and a high voltage.

25           4.   Apparatus according to claim 1 wherein the  
signal analysing circuitry is arranged to

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provide an output only when it does not detect a signal or component of a predetermined type.

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5. Apparatus according to claim 1 wherein the output of the signal analysing circuitry comprises the signal as received from the carrier or a modified version thereof.

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6. Apparatus according to claim 1 wherein the computer has a port and at least part of the signal analysing circuitry is provided on an element that can be removably plugged into the port of the computer to effect  
15 said coupling.

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7. Apparatus according to claim 1 wherein at least part of the signal analysing circuitry is spaced from the computer and coupled to it by a wireless data  
20 transmission link.

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8. Apparatus according to claim 7 wherein said data transmission link is an optical, IrDA, RF or cellular telephone system link.

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9. Apparatus according to claim 1

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wherein at least part of the signal analysing circuitry  
is spaced from the computer and coupled to it by a cable  
5 link.

10. Apparatus according to claim 9 wherein said  
cable link is a USB, serial or PCMCIA link.

10 11. Apparatus according to claim 1 which is for  
receiving a signal from a telephone line as said carrier,  
and wherein said computer has a headset and is arranged  
to provide telephone functions.

15 12. Apparatus according to claim 1 which is for  
receiving a signal from a telephone line as said carrier,  
and wherein said signal analysing circuitry is provided  
at least in part by an element that is removably plugged  
into a port of the computer, said element being coupled  
20 to a loud speaker and microphone and being arranged to  
provide telephone functions.

13. Apparatus according to claim 1 wherein the  
computer is adapted to perform tests on the carrier.

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14. A signal monitoring apparatus comprising: (a) a monitoring device; (b) wireless receiver means coupled to the device to provide an input thereto, said receiver means being adapted to receive a data-carrying wireless signal and to derive data therefrom to provide a said input; and (c) remote data gathering and wireless transmitting means adapted to be coupled to a data carrier and adapted to derive data from the carrier and transmit it to the receiver.

15. Apparatus according to claim 14 wherein the remote data gathering means is adapted to perform a test on the data carrier or on the signal carried thereby to generate test data, and wherein the data transmitted by said wireless transmitting means comprises said test data.

16. Apparatus according to claim 14 wherein the remote data gathering and wireless transmitting means are adapted to transmit to the receiver means data which comprise all or part of a signal carried by the carrier.

17. Apparatus according to claim 14 wherein the monitoring device comprises a computer.

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